

Lucuma obovata (Sapotaceae), 54653. From Santiago, Chile. Seeds collected by Mr. Wilson Popenoe, Agricultural Explorer. "(No. 652a.) This is a little-known fruit cultivated in various parts of Ecuador, Peru, and as far south as Santiago, Chile. It is not highly esteemed in Ecuador, but is popular in central Chile, where the fruits seem to be of better quality, than in the former country. The tree reaches 40 feet in height and when well grown it has a round, dense crown of very attractive appearance. The leaves, which are clustered towards the ends of the branchlets, are obovate, oval or elliptic, subacute at the base and rounded at the apex; commonly 5 to 10 inches long; deep green, with entire margins. The small flowers are produced in great abundance along the branches; they are three-fourths of an inch long, the corolla tubular, deeply 5-toothed and pale green. The fruit is round to elliptic, sometimes with a sharp apex, and commonly 3 to 4 inches long. The surface is deep brownish green, heavily marked or overspread with russet. The skin is very thin and easily broken. The flesh is deep yellow, dry and mealy, and very sweet, resembling in flavor that of the sapote and the 'ti-es' or egg fruit of southern Florida. The seeds are one or two in number, broadly oval, about $1\frac{1}{4}$ inches long, dark brown and glossy, especially on the flattened whitish ventral surface.

"The 'lucma,' as this fruit is called in Chile, may perhaps be too tender for cultivation in any except the warmest parts of California. It should succeed in southern Florida." (Popenoe.)

Malus sylvestris (Malaceae), 54635 to 54638, 54648 and 54649. **Apple.** From Chile. Plants obtained through Mr. Wilson Popenoe, Agricultural Explorer. Quoted notes by Mr. Popenoe.

54635. Plants presented by Señor don Salvador Izquierdo. "(No. 657. Santa Ines, Chile.) 'Huidobro' apple. Also known as 'Araucana' and 'Araucana Huidobro.'

"The best known aphid-resistant apple cultivated in Chile. It is of local origin, and is planted extensively in several parts of the country. The yellow, rather small, and somewhat mealy fruits are not of excellent quality, but nevertheless they are fairly popular in the markets of such large cities as Santiago and Valparaiso."

For further description see S. P. I. No. 54300, Plant Immigrants, No. 187, November, 1921, p. 1699.